

AMENDMENTS TO THE SPECIFICATION:

Page 2, replace lines 1-3, with the following paragraph:

RELATED APPLICATIONS

This application is a continuation-in-part of U.S. patent  
application Serial No. 10/090,346, filed March 4, 2002, now  
abandoned.

Page 9, replace lines 1-15, with the following amended paragraphs:

Set forth below are illustrative examples of embodiments of the present invention.

EXAMPLE 1 - (Claim-3) -

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	46.23
Al <sub>2</sub> O <sub>3</sub>	25.91
Na <sub>2</sub> O	2.40
K <sub>2</sub> O	0.82
CaO	8.27
MgO	4.06
Fe <sub>2</sub> O <sub>3</sub> +FeO	10.22
TiO <sub>2</sub>	1.58
ZrO <sub>2</sub>	0.01
P <sub>2</sub> O <sub>5</sub>	0.28
MnO	0.23

Page 10, replace lines 14-26, with the following amended paragraph:

EXAMPLE 4 ~~-(Claim 8)-~~

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	53.69
Al <sub>2</sub> O <sub>3</sub>	13.84
Na <sub>2</sub> O	2.79
K <sub>2</sub> O	0.95
CaO	9.61
MgO	4.71
Fe <sub>2</sub> O <sub>3</sub> +FeO	11.87
TiO <sub>2</sub>	1.83
ZrO <sub>2</sub>	0.00
P <sub>2</sub> O <sub>5</sub>	0.38
MnO	0.33

Page 11, replace lines 1-26, with the following amended paragraphs:

EXAMPLE 5    ~~(Claim 9)~~

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	55.25
Al <sub>2</sub> O <sub>3</sub>	18.25
Na <sub>2</sub> O	2.30
K <sub>2</sub> O	1.80
CaO	8.38
MgO	3.97
Fe <sub>2</sub> O <sub>3</sub> +FeO	8.50
TiO <sub>2</sub>	1.09
ZrO <sub>2</sub>	0.31
P <sub>2</sub> O <sub>5</sub>	0.20
MnO	0.18

EXAMPLE 6    ~~(Claim 10)~~

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	67.55
Al <sub>2</sub> O <sub>3</sub>	9.76
Na <sub>2</sub> O	1.96
K <sub>2</sub> O	0.67
CaO	6.74
MgO	3.30
Fe <sub>2</sub> O <sub>3</sub> +FeO	8.32
TiO <sub>2</sub>	1.28
ZrO <sub>2</sub>	0.01
P <sub>2</sub> O <sub>5</sub>	0.22
MnO	0.19

Page 12, replace lines 1 - 13, with the following amended paragraph:

EXAMPLE 7    --(Claim 12)--

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	70.02
Al <sub>2</sub> O <sub>3</sub>	10.14
Na <sub>2</sub> O	2.03
K <sub>2</sub> O	0.01
CaO	6.53
MgO	4.26
Fe <sub>2</sub> O <sub>3</sub> +FeO	5.26
TiO <sub>2</sub>	1.33
ZrO <sub>2</sub>	0
P <sub>2</sub> O <sub>5</sub>	0
MnO	0

Page 12, after line 13, insert the following new paragraphs:

Set forth below is a table ~~which provides literal support--~~  
~~for the respective compositions of oxides for each of Claims 1-20--~~  
of compositions of oxides of the instant invention.

-CLAIMS-TABLE I

<u>Oxides</u>	<u>Range 1</u> <u><del>Claim-1</del></u> <u>wt%</u>	<u>Range 2</u> <u><del>Claim-2</del></u> <u>wt%</u>	<u>Example 1</u> <u><del>Claim-3</del></u> <u>wt%</u>	<u>Example 8</u> <u><del>Claim-4</del></u> <u>wt%</u>	<u>Example 9</u> <u><del>Claim-5</del></u> <u>wt%</u>	<u>Example 10</u> <u><del>Claim-6</del></u> <u>wt%</u>
SiO <sub>2</sub>	46.0-71.0	46.0-71.0	46.23	46.23	61.03	64.95
Al <sub>2</sub> O <sub>3</sub>	9.0-12.5	9.0-12.5	25.91	25.91	11.71	11.13
Na <sub>2</sub> O	0 - 2.00		2.40	2.40	2.35	2.24
K <sub>2</sub> O	0 - 2.00		0.82	0.82	0.80	2.24
CaO	3.76-10.5	1.76-10.5	8.27	8.27	8.10	3.76
MgO	1.84-10.5	1.84-10.5	4.06	4.06	3.97	3.77
Fe <sub>2</sub> O <sub>3</sub> +FeO	4.64-15.5	4.64-15.5	10.22	10.22	9.99	9.51
TiO <sub>2</sub>	0.72- 3.0	0.72- 3.0	1.58	1.58	1.55	1.47
ZrO <sub>2</sub>			0.01		0	0.01
P <sub>2</sub> O <sub>5</sub>			0.28	0.28	0.27	0.70
MnO			0.23	0.23	0.23	0.22

	<u>Example 11</u>	<u>Example 4</u>	<u>Example 5</u>	<u>Example 6</u>	<u>Example 12</u>	<u>Example 7</u>
<u>Oxides</u>	<u>Claim-7- wt%</u>	<u>Claim-8- wt%</u>	<u>Claim-9- wt%</u>	<u>Claim-10- wt%</u>	<u>Claim-11- wt%</u>	<u>Claim-12- wt%</u>
SiO <sub>2</sub>	64.95	53.69	55.25	67.55	67.55	70.02
Al <sub>2</sub> O <sub>3</sub>	11.13	13.84	18.25	9.76	9.76	10.14
Na <sub>2</sub> O	2.24	2.79	2.30	1.96	1.96	2.03
K <sub>2</sub> O	2.24	0.95	1.80	0.67	0.67	0.01
CaO	3.76	9.61	8.38	6.74	6.74	6.53
MgO	3.77	4.71	3.97	3.30	3.30	4.26
Fe <sub>2</sub> O <sub>3</sub> +FeO	9.51	11.87	8.50	8.32	8.32	5.26
TiO <sub>2</sub>	1.47	1.83	1.09	1.28	1.28	1.33
ZrO <sub>2</sub>		0	0.31	0.01		0
P <sub>2</sub> O <sub>5</sub>	0.70	.38	0.20	0.22	0.22	0
MnO	0.22	0.33	0.18	0.19	0.19	0

	<u>Example 13</u>	<u>Example 14</u>	<u>Example 15</u>	<u>Example 16</u>	<u>Example 17</u>	<u>Example 18</u>
<u>Oxides</u>	<u>Claim-13- wt%</u>	<u>Claim-14- wt%</u>	<u>Claim-15- wt%</u>	<u>Claim-16- wt%</u>	<u>Claim-17- wt%</u>	<u>Claim-18- wt%</u>
SiO <sub>2</sub>	46.47	66.92	55.50	67.83	70.31	46.47
Al <sub>2</sub> O <sub>3</sub>	25.91	11.42	18.33	9.80	10.18	25.91
Na <sub>2</sub> O	2.41	2.59	2.31	1.97	2.03	2.41
K <sub>2</sub> O	0.95	2.59	1.81	0.67	0.01	0.95
CaO	8.31	3.81	8.42	6.77	6.55	8.31
MgO	4.08	4.01	3.99	3.31	4.27	4.08
Fe <sub>2</sub> O <sub>3</sub> +FeO	10.27	8.66	8.54	8.36	5.28	10.27
TiO <sub>2</sub>	1.60	0.72	1.10	1.29	1.37	
ZrO <sub>2</sub>						
P <sub>2</sub> O <sub>5</sub>						
MnO						

<u>Oxides</u>	<u>Example 19</u>	<u>Example 20</u>
	<u><del>-Claim-19-</del></u> wt%	<u><del>-Claim-20-</del></u> wt%
SiO <sub>2</sub>	66.92	70.31
Al <sub>2</sub> O <sub>3</sub>	11.42	10.18
Na <sub>2</sub> O	2.59	2.03
K <sub>2</sub> O	2.59	0.01
CaO	3.81	6.55
MgO	4.01	4.27
Fe <sub>2</sub> O <sub>3</sub> +FeO	8.66	5.28
TiO <sub>2</sub>		
ZrO <sub>2</sub>		
P <sub>2</sub> O <sub>5</sub>		
MnO		



Page 16, replace lines 1-25, with the following amended paragraphs:

Set forth below are illustrative examples of the later added embodiments of the invention.

~~EXAMPLE 8-(Claim-24)~~    EXAMPLE 21

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	67.55
Al <sub>2</sub> O <sub>3</sub>	9.76
Na <sub>2</sub> O	0.67
K <sub>2</sub> O	1.96
CaO	6.74
MgO	3.30
Fe <sub>2</sub> O <sub>3</sub> +FeO	8.32
TiO <sub>2</sub>	1.28
ZrO <sub>2</sub>	0.01
P <sub>2</sub> O <sub>5</sub>	0.22
MnO	0.19

~~EXAMPLE 9-(Claim-30)~~    EXAMPLE 22

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	68.00
Al <sub>2</sub> O <sub>3</sub>	9.06
B <sub>2</sub> O <sub>3</sub>	2.01
Na <sub>2</sub> O	2.33
K <sub>2</sub> O	0.42
CaO	6.23
MgO	3.06
Fe <sub>2</sub> O <sub>3</sub> +FeO	7.70
TiO <sub>2</sub>	1.19

Page 17, replace lines 1-20, with the following amended paragraphs:

-EXAMPLE-10--(Claim-26)- EXAMPLE 23

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	67.36
Al <sub>2</sub> O <sub>3</sub>	9.76
Li <sub>2</sub> O	2.86
Na <sub>2</sub> O	1.00
CaO	5.28
MgO	3.80
Fe <sub>2</sub> O <sub>3</sub> +FeO	8.46
TiO <sub>2</sub>	1.48

--EXAMPLE-11--(Claim-31)- EXAMPLE 24

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	65.24
Al <sub>2</sub> O <sub>3</sub>	2.50
Na <sub>2</sub> O	13.00
B <sub>2</sub> O <sub>3</sub>	6.00
CaO	6.70
MgO	1.85
Fe <sub>2</sub> O <sub>3</sub> +FeO	4.01
TiO <sub>2</sub>	0.70

Page 18, replace lines 1-10, with the following amended paragraph:

--EXAMPLE-12- EXAMPLE 25

<u>Oxides</u>	<u>Weight Percent</u>
SiO <sub>2</sub>	68.00
Al <sub>2</sub> O <sub>3</sub>	2.50
Na <sub>2</sub> O	13.00
B <sub>2</sub> O <sub>3</sub>	6.00
CaO	6.70
MgO	2.71
Fe <sub>2</sub> O <sub>3</sub> +FeO	1.00
TiO <sub>2</sub>	1.09

Page 18, after line 10, insert the following new paragraphs:

Set forth below is a table ~~which provides literal support--~~  
~~for the respective compositions of oxides for each of~~  
~~claims 21-35--~~ of compositions of oxides of the instant  
invention.

CLAIMS TABLE II

<u>Oxides</u>	<u>Range 3</u> <del>Claim-21</del> wt%	<u>Range 4</u> <del>Claim-22</del> wt %	<u>Example 26</u> <del>Claim-23</del> wt%	<u>Example 21</u> <del>Claim-24</del> wt%	<u>Example 27</u> <del>Claim-25</del> wt%	<u>Example 23</u> <del>Claim-26</del> wt%
SiO <sub>2</sub>	49.0-76.0	67.55	67.55	67.55	49.0	67.36
Al <sub>2</sub> O <sub>3</sub>	2.0-12.5	9.76	9.76	9.76	23.0	9.76
Na <sub>2</sub> O	0 -12.0	0.67	0.67	0.67	1.04	1.00
K <sub>2</sub> O	0 - 2.0			1.96		
CaO	3.0-15.0	6.74	6.74	6.74	8.31	5.28
MgO	2.0-15.0	3.30	3.30	3.30	4.08	3.80
Fe <sub>2</sub> O <sub>3</sub> +FeO	1.0-18.0	8.32	8.32	8.32	10.27	8.46
TiO <sub>2</sub>	0 - 4.0	1.28	1.28	1.28	1.59	1.48
ZrO <sub>2</sub>		0.01	0.01	0.01		
P <sub>2</sub> O <sub>5</sub>	0 - 4.0	0.22	0.22	0.22		
MnO		0.19	0.19	0.19		
B <sub>2</sub> O <sub>3</sub>	0 - 9	1.96			2.35	
Li <sub>2</sub> O	0 - 9		1.96			2.86

	<u>Example 28</u>	<u>Example 29</u>	<u>Example 30</u>	<u>Example 22</u>	<u>Example 24</u>	<u>Example 31</u>
<u>Oxides</u>	<u><del>Claim 27</del></u> <u>wt%</u>	<u><del>Claim 28</del></u> <u>wt %</u>	<u><del>Claim 29</del></u> <u>wt%</u>	<u><del>Claim 30</del></u> <u>wt%</u>	<u><del>Claim 31</del></u> <u>wt%</u>	<u><del>Claim 32</del></u> <u>wt%</u>
SiO <sub>2</sub>	65.16	56.01	66.51	68.00	65.24	67.50
Al <sub>2</sub> O <sub>3</sub>	11.18	13.92	9.34	9.06	2.50	9.34
Na <sub>2</sub> O		2.92	2.81	2.33	13.00	
K <sub>2</sub> O		0.96		0.42		0.81
CaO	7.14	8.40	6.41	6.23	6.70	8.41
MgO	3.99		2.99	3.06	1.85	2.00
Fe <sub>2</sub> O <sub>3</sub> +FeO	8.95	11.94	8.53	7.70	4.01	8.53
TiO <sub>2</sub>	0.57	1.84		1.19	0.70	1.10
ZrO <sub>2</sub>						
P <sub>2</sub> O <sub>5</sub>						
MnO						
B <sub>2</sub> O <sub>3</sub>	3.01	4.01		2.01	6.00	
Li <sub>2</sub> O			3.41			2.31

	<u>Example 32</u>	<u>Example 33</u>	<u>Example 34</u>
<u>Oxides</u>	<u><del>Claim 33</del></u> <u>wt%</u>	<u><del>Claim 34</del></u> <u>wt %</u>	<u><del>Claim 35</del></u> <u>wt%</u>
SiO <sub>2</sub>	46.47	66.92	70.31
Al <sub>2</sub> O <sub>3</sub>	25.91	11.42	8.30
Na <sub>2</sub> O	2.55	2.59	2.03
K <sub>2</sub> O			
CaO	8.31	4.02	6.55
MgO	4.08	0.81	3.27
Fe <sub>2</sub> O <sub>3</sub> +FeO	10.27	10.00	8.53
TiO <sub>2</sub>			
ZrO <sub>2</sub>			
P <sub>2</sub> O <sub>5</sub>			
MnO			
B <sub>2</sub> O <sub>3</sub>	2.41	4.24	1.01
Li <sub>2</sub> O			